

**What is claimed is:**

1. A liquid-tight connector comprising:
  - a tubular body including a central flange having a leading and a trailing wall;
  - a ferrule extending from said trailing wall;
  - 5 a tubular nose portion extending from said leading wall;
  - a sealing ring disposed on said nose portion adjacent said leading wall;
  - a fastener secured to said nose portion, said fastener securing said sealing ring against said leading wall, said fastener capable of engaging and securing said nose portion to an aperture in a panel in a manner that said sealing ring is compressed and
  - 10 deformed so that the area between said nose portion and said aperture is filled with said sealing ring thereby creating a water tight seal between said nose portion and said panel;
  - a tubular retainer body extending from and secured to said trailing wall, said retainer body concentric with and of a greater diameter than said ferrule, said retainer body including inward directed tangs extending within the inner periphery of said
  - 15 retainer body with the free ends of said tangs oriented toward said trailing wall; and
  - a conduit-accepting channel defined as the area between said ferrule and said retainer body, said channel capable of accepting a metallic or non-metallic conduit and creating a water-tight seal between said conduit and said ferrule.
- 20 2. The liquid-tight connector of claim 1 wherein said fastener is a snap ring which includes:

one or more grounding tangs extending outwardly and trailingly at said trailing end of said snap ring;

one or more locking tabs extending from said snap ring into said depression to secure said snap ring to said leading end portion; and

5 one or more snap locking tangs extending outwardly from said snap ring to resist said connector being pulled from a panel when connected thereto.

3. A liquid-tight connector comprising:

a tubular body having a trailing end portion;

10 a leading end portion having a leading edge;

a flange separating said trailing end portion from said leading end portion;

one or more depressions on said leading end portion;

a removable, discontinuous, annular-shaped snap ring surrounding said leading end portion, said snap ring having a leading and a trailing end;

15 said trailing end portion including a shoulder adjacent said flange;

a ferrule extending from said shoulder and having a trailing end;

said shoulder of a larger diameter than said ferrule;

said shoulder including threads on its outer periphery;

20 the diameter of said ferrule tapering from a smaller diameter at said trailing end of said ferrule to a larger diameter adjacent said shoulder;

a tubular retainer body having an inner diameter slightly larger than a nominal

sized conduit it will be used in conjunction with;

said retainer body including inward and leading extending conduit tangs;

a tubular cover member securing said retainer body to said shoulder, said cover member biasing said conduit tangs inwardly; and

5 a channel defined by the space between said ferrule and said retainer body, said channel capable of accepting a nominal sized conduit in such a manner that said conduit is held tightly therein and prevented from withdrawal by said conduit tangs.

4. An electrical connector comprising:

10 a tubular body having a trailing end portion;

a leading end portion having a leading edge;

a flange separating said trailing end portion from said leading end portion;

one or more depressions on said leading end portion;

a removable, discontinuous, annular-shaped snap ring surrounding said leading  
15 end portion, said snap ring having a leading and a trailing end;

one or more grounding tangs extending outwardly and trailingly at said trailing end of said snap ring;

one or more locking tabs extending from said snap ring into said depression to secure said snap ring to said leading end portion; and

20 one or more snap locking tangs extending outwardly from said snap ring to resist said connector being pulled from a panel when connected thereto.

5. The electrical connector of claim 4 wherein said leading end portion is threaded.

5        6. A sealing ring comprising:

an annular ring including a base portion and an outer portion having an outer periphery;

said base portion planar and of a first thickness;

said outer portion integral with and extending from said base portion at an angle  
10 of 30 to 60 degrees from said base portion;

said outer portion having said first thickness at its juncture with said base portion and a constant increase in thickness to a second thickness at said outer periphery; and

said ring including an inner diameter sized to accommodate the nose portion of a  
15 connector that it will be used in conjunction with.

7. The sealing ring of claim 6 wherein said sealing ring may be constructed of any suitable thermoplastic elastomer but is preferably constructed of Santoprene™.

20        8. The sealing ring of claim 6 wherein said sealing ring is an elastomeric polymer having a Shore A hardness of 20 to 60 units.